



STEALTH®

Toilets have been using the same crude mechanics for 200 years. That's why they're prone to breaking, clogging, partial flushes and other nastiness. Worst of all, they waste an obscene amount of water.

Niagara has re-engineered the flush for a high-power, low-maintenance, no-waste toilet - making it one of the most efficient toilets on the planet. See how we're turning mindless waste into mindful conservation.

INSIDE THE TANK



air transfer tube

AIR TRANSFER TUBE:

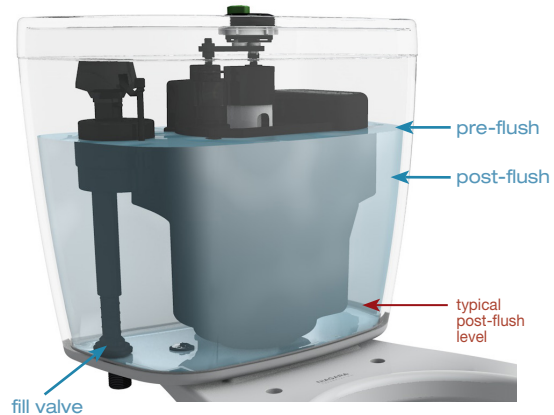
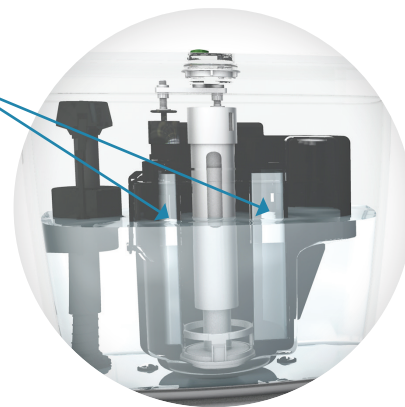
A Patented Vacuum-Assist Flush Technology That Delivers A Silent, Powerful Flush

BEFORE FLUSH: When water fills the tank/inner chamber, air is pushed back into the patented air transfer tube. This pressurizes the trapway and primes the toilet for a powerful and quiet flush.

DURING FLUSH: When the flush button is pressed, water leaves the Stealth inner chamber and pulls air from the trapway up through the air transfer tube. This creates a vacuum-assisted pull that accelerates the force of the water and waste flowing through the trapway. Once the flush is complete, the system refills and is primed for the next flush.

Dual Flush Technology

Dual Flush Technology has primary and secondary chambers for either a full or half flush. When the "half" flush button is pressed, only the primary chamber is used, releasing 0.5 gallons of water, to handle liquid waste. A "full" flush utilizes both chambers for additional power to accommodate solid waste.



pre-flush

post-flush

typical post-flush level

fill valve

NOISE-CANCELLING TANK:

Equipped with a Fluidmaster Fill Valve... That You Will Never Hear!

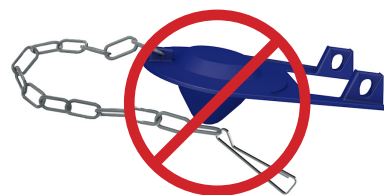
We have dramatically reduced the noise of the fill valve. Because such little water is used, the valve is never exposed. It remains submerged canceling out the noise produced.



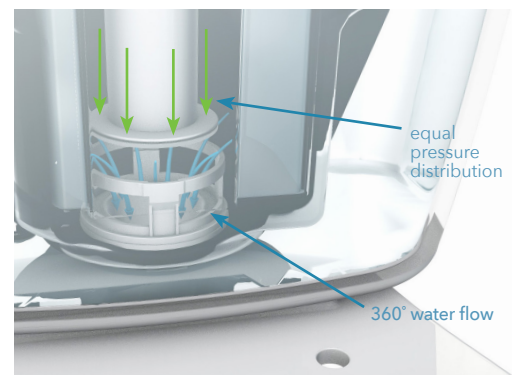
VIRTUALLY MAINTENANCE FREE:

Stealth Seal VS Standard Flapper

The 360° water flow moves into the bowl faster and easier than a standard flapper as there is no blockage from objects. The Stealth seal is backed by a hard plastic plate which presses down and equally distributes pressure across the seal. This ensures that water does not leak while a standard flapper is prone to leak due to wafering and lack of support.



Standard Flapper



equal pressure distribution

360° water flow

INSIDE THE BOWL



360° RIM WASH:

When the flush button is pressed, water leaving the tank is forced through strategically placed holes around the rim to thoroughly rinse the surface of the bowl. Combined with the water that pushes through the Rim Jet, this allows for a complete change of water in the bowl, and cleans the entire surface area of the bowl.

RIM JET:

Water that is flushed from the tank is pushed around the rim, to the nose of the bowl, in two forceful streams. As it reaches the larger front opening, known as the Rim Jet, it channels water directly down into the trapway.

VACUUM-ASSIST PULL:

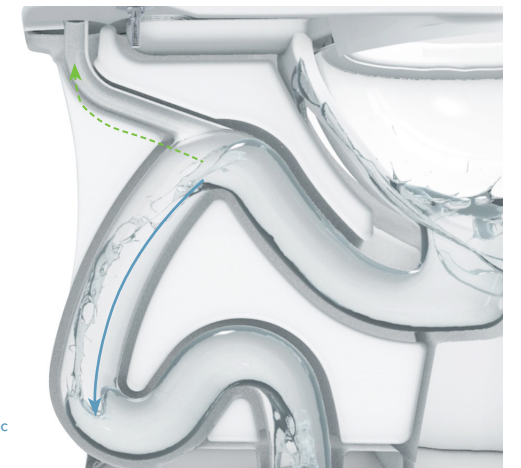
During the flush, pressurized air is pulled from the trapway into the Stealth inner chamber. This suction creates a powerful siphon in the trapway that pulls water and waste from the bowl and propels it down the drain line. This vacuum-assist pull is what elevates Stealth's flush performance beyond a traditional gravity-fed toilet.

FULLY-GLAZED 2" TRAPWAY:

The 2" diameter is specially configured to be as streamlined as possible for the most efficient and powerful flush due to no pitch points or drastic changes in direction. "Fully-glazed" means reduced friction and zero absorption into ceramic material, which helps prevent clogging and increases the flushing performance.

fully-glazed ceramic

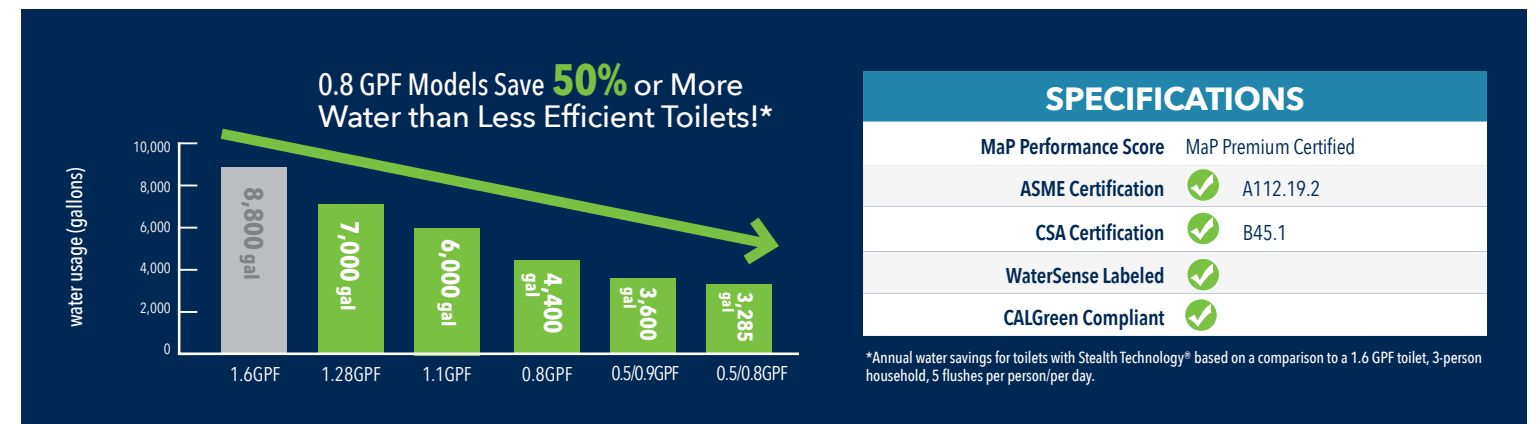
unglazed ceramic



large water surface

LARGE WATER SURFACE:

As the water begins to fill the inner Stealth chamber during the refill process, air is pushed through the air transfer tube. This air pressure exerted in the trapway forces water in the bowl to rise, creating a large water spot.



SPECIFICATIONS

MaP Performance Score	MaP Premium Certified
ASME Certification	✓ A112.19.2
CSA Certification	✓ B45.1
WaterSense Labeled	✓
CALGreen Compliant	✓

*Annual water savings for toilets with Stealth Technology® based on a comparison to a 1.6 GPF toilet, 3-person household, 5 flushes per person/per day.



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